UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/900,072	07/06/2001	James S. Voss	10010109-1	5850

7590 01/13/2005	EXAMINER
HEWLETT-PACKARD COMPANY	LAMB, TWYLER MARIE

ART UNIT	PAPER NUMBER
2622	

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DATE MAILED: 01/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Office Action Summary	Application No.	Applicant(s)
		09/900,072	VOSS ET AL.
		Examiner	Art Unit
		Twyler M. Lamb	2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _06 July 2001_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-20_ is/are pending in the application.

  4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-20_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

  a)☐ All b)☐ Some * c)☐ None of:

  1.☐ Certified copies of the priority documents have been received.

  2.☐ Certified copies of the priority documents have been received in Application No. _____.

  3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
  application from the International Bureau (PCT Rule 17.2(a)).

  * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
  Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
  Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2.   Claims 1-2 and 5-20 are rejected under 35 U.S.C. 102(b) as being anticipated by

Patti et al. (Patti) (US 5,696,848).

With regard to claim 1, Patti discloses a method for providing digital video images

and still images comprising the steps of: enabling frames of image data to be provided

to a user for rendering as video images, the video images being configured for

providing at a first resolution; receiving a request for image data corresponding to one of

the frames of image data; and enabling image data corresponding to the requested one

of the frames to be provided to the user for rendering as a still image, the still image

being configured for providing at a second resolution, the second resolution being

higher than the first resolution (col 4, line 17 – col 6, line 3).

With regard to claim 2, Patti discloses wherein the step of enabling frames of

image data to be provided to a user for rendering as video image comprises the step of:

providing frames of image data, at least some of the image data being configured with

the second resolution (col 4, line 17 – col 6, line 3).

With regard to claim 5, Patti discloses wherein the step of receiving a request for image data corresponding to one of the frames of image data comprises the step of: receiving a request for image data corresponding to one of the frames of images data configured at the second resolution (col 4, line 17 – col 6, line 3).

With regard to claim 6, Patti discloses wherein the step of providing frames of image data comprises the step of: providing sequential frames of the image data such that the image data configured with the second resolution is intermittently disposed among the frames of image data (col 4, line 17 – col 6, line 3).

With regard to claim 7, Patti discloses wherein the step of providing frames of image data comprises the step of: compressing the at least some of the image data configured with the second resolution such that the frames provided to the user for rendering as video image are configured with the first resolution (col 4, line 17 – col 6, line 3).

With regard to claim 8, Patti discloses wherein the step of receiving a request for image data corresponding to one of the frames of image data comprises the step of: receiving a request for image data corresponding to one of the frames of image data configured at the first resolution; and wherein the step of enabling image data corresponding to the requested one of the frames to be provided to the user for rendering as a still image comprises the steps of enabling a frame of a second resolution image data most closely corresponding to the requested frame of image data to be provided to the user for rendering as a still image (col 4, line 17 – col 6, line 3).

With regard to claim 9, Patti discloses wherein the step of receiving a request for image data corresponding to one of the images of image data comprises the step of: receiving a request for image data corresponding to one of the frames of image data configured at the first resolution; and wherein the step of enabling image data corresponding to the requested one of the frames to be provided to the user for rendering as a still image comprises the step of: enabling modification of image data such that image data to be provided to the user for rendering as a still image is provided at a resolution higher than the first resolution (col 4, line 17 – col 6, line 3).

With regard to claim 10, Patti discloses wherein the step of enabling modification of image data comprises the step of: enabling modification of the two images of second resolution image data most closely corresponding to the requested frame of image data (col 4, line 17 – col 6, line 3).

With regard to claim 11, Patti discloses wherein the step of enabling modification of image data comprises the step of: enabling modification of at least the one frame of second resolution image data most closely corresponding to the requested frame of image data (col 4, line 17 – col 6, line 3).

With regard to claim 12, Patti discloses imaging system comprising: a video/still imaging system configured to provide frames of image data to a user for rendering as video images, the video images being configured with a first resolution; said video/still imaging system being further configured to receive a request for image data corresponding to one of the frames of image data such that, in response thereto, said video/still imaging system provides image data corresponding to the requested one of

the frames to the user for rendering as a still image, the still image being configured with

a second resolution, the second resolution being higher than the first resolution (col 4,

line 17 – col 6, line 3).

With regard to claim 13, Patti discloses wherein said video/still imaging system

is further configured to compress image data configured with the second resolution such

that image data provided to the user for rendering as video images is configured with

the first resolution (col 4, line 17 – col 6, line 3).

With regard to claim 14, Patti discloses further comprising: means for receiving a

request for image data corresponding to one of the frames of image data (col 4, line 17

– col 6, line 3).

With regard to claim 15, Patti discloses further comprising: means for storing

frames of image data (col 4, line 17 – col 6, line 3).

With regard to claim 16, Patti discloses an imaging system comprising:

an image data storage medium having frames of image data stored thereon, said

frames being configured to be provided to a user for rendering as video images, the

video images being configured for providing at a first resolution, at least some of said

frames being configured to be provided to the user for rendering as a still image, the still

image being configured for providing at a second resolution, the second resolution

being higher than the first resolution (col 4, line 17 – col 6, line 3).

With regard to claim 17, Patti discloses wherein only some of said frames of

image data are provided at the second resolution (col 4, line 17 – col 6, line 3).

With regard to claim 18, Patti discloses a computer readable medium having a computer program for providing digital video images and still images, said computer readable medium comprising: logic configured to enable frames of image data to be provided to a user for rendering as video images, the video images being configured for providing at a first resolution, logic configured to receive a request for image data corresponding to one of the frames of image data; and logic configured to enable image data corresponding to the requested one of the frames to be provided to the user for rendering as a still image, the still image being configured for providing at a second resolution, the second resolution being higher than the first resolution (col 4, line 17 – col 6, line 3).

With regard to claim 19, Patti discloses wherein the logic configured to enable frames of image data to be provided to a user for rendering as video images comprises: logic configured to compress the at least some of the image data configured with the second resolution such that the frames provided to the user for rendering as video images are configured with the first resolution (col 4, line 17 – col 6, line 3).

With regard to claim 20, Patti discloses wherein the logic configured to receive a request for image data corresponding to one of the frames of image data comprises: logic configured to receive a request for image data corresponding to one of the frames of image data configured at the first resolution, and wherein the logic configured to enable image data corresponding to the requested one of the frames to be provided to the user for rendering as a still image comprises: logic configured to enable the frame of second resolution image data most closely corresponding to the requested frame of

image data to be provided to the user for rendering as a still image (col 4, line 17 – col

6, line 3).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4.   Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Patti et al.

(Patti) (US 5,696,848) in view of Heirich et al. (Heirich) (US 6,753,878).

With regard to claim 3, Patti does not specifically teach wherein the step of

enabling frames of image data to be provided to a user for rendering as video images

comprises: enabling the frames of image data to be provided to the user at a resolution

of 640 pixels by 480 pixels.

Heirich discloses an image generator that includes wherein the step of enabling

frames of image data to be provided to a user for rendering as video images comprises:

enabling the frames of image data to be provided to the user at a resolution of 640

pixels by 480 pixels (col 7 lines 48-59).

Therefore it would have been obvious to one of ordinary skill in the art at the time

of the invention to have modified Patti to include wherein the step of enabling frames of

image data to be provided to a user for rendering as video images comprises: enabling

the frames of image data to be provided to the user at a resolution of 640 pixels by 480

pixels as taught by Heirich. It would have been obvious to one of ordinary skill in the art

at the time of the invention to have modified Patti by the teaching of Heirich to meet the

bandwidth constraints of high-end motion picture applications as taught by Heirich in col

7 lines 48-59.

5.   Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Patti et al.

(Patti) (US 5,696,848) in view of Geshwind (US 6,590,573).

With regard to claim 4, Patti does not specifically teach wherein the step of

enabling image data corresponding to the requested one of the frames to be provided to

the user for rendering as a still image comprises: enabling image data corresponding to

the requested one of the frames to be provided to the user at a resolution of 1024 pixels

by 768 pixels.

Geshwind discloses an image generator that wherein the step of enabling image

data corresponding to the requested one of the frames to be provided to the user for

rendering as a still image comprises: enabling image data corresponding to the

requested one of the frames to be provided to the user at a resolution of 1024 pixels by

768 pixels (col 12 lines 38-56).

Therefore it would have been obvious to one of ordinary skill in the art at the time

of the invention to have modified Patti to include wherein the step of enabling image

data corresponding to the requested one of the frames to be provided to the user for

rendering as a still image comprises: enabling image data corresponding to the

requested one of the frames to be provided to the user at a resolution of 1024 pixels by

768 pixels as taught by Geshwind. It would have been obvious to one of ordinary skill in

the art at the time of the invention to have modified Patti by the teaching of Geshwind to

ensure that each pixel can be displayed properly as taught by Geshwind in 12 lines 38-56.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Twyler M. Lamb whose telephone number is 703-308-8823. The examiner can normally be reached on M-Thurs 6:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on 703-305-4712. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Twyler M. Lamb
Examiner
Art Unit 2622